



CITY OF NEW ORLEANS
Department of Public Works

Recovery Roads Program

23 July 2012

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Mitchell J. Landrieu, Mayor

Agenda

- Typical Neighborhood Project Development & Funding Process
- Recovery Roads Program Phase I Overview
- Recovery Roads Program Phase II Overview
- Typical Neighborhood Projects
- Program Milestones

Recovery Roads Program Overview

- This is part of a larger City-wide, multi-year infrastructure repair/recovery effort funded by FEMA.
- The intent of the Recovery Roads Program is to restore the roads and sidewalks in the City to their pre-Katrina condition.
- Only damage directly attributed to Hurricane Katrina as determined by FEMA on minor (non-federal) streets is eligible for repair under this program.
- This program will be managed on a neighborhood-by-neighborhood basis.

Typical Neighborhood Project Development & Funding Obligation Process

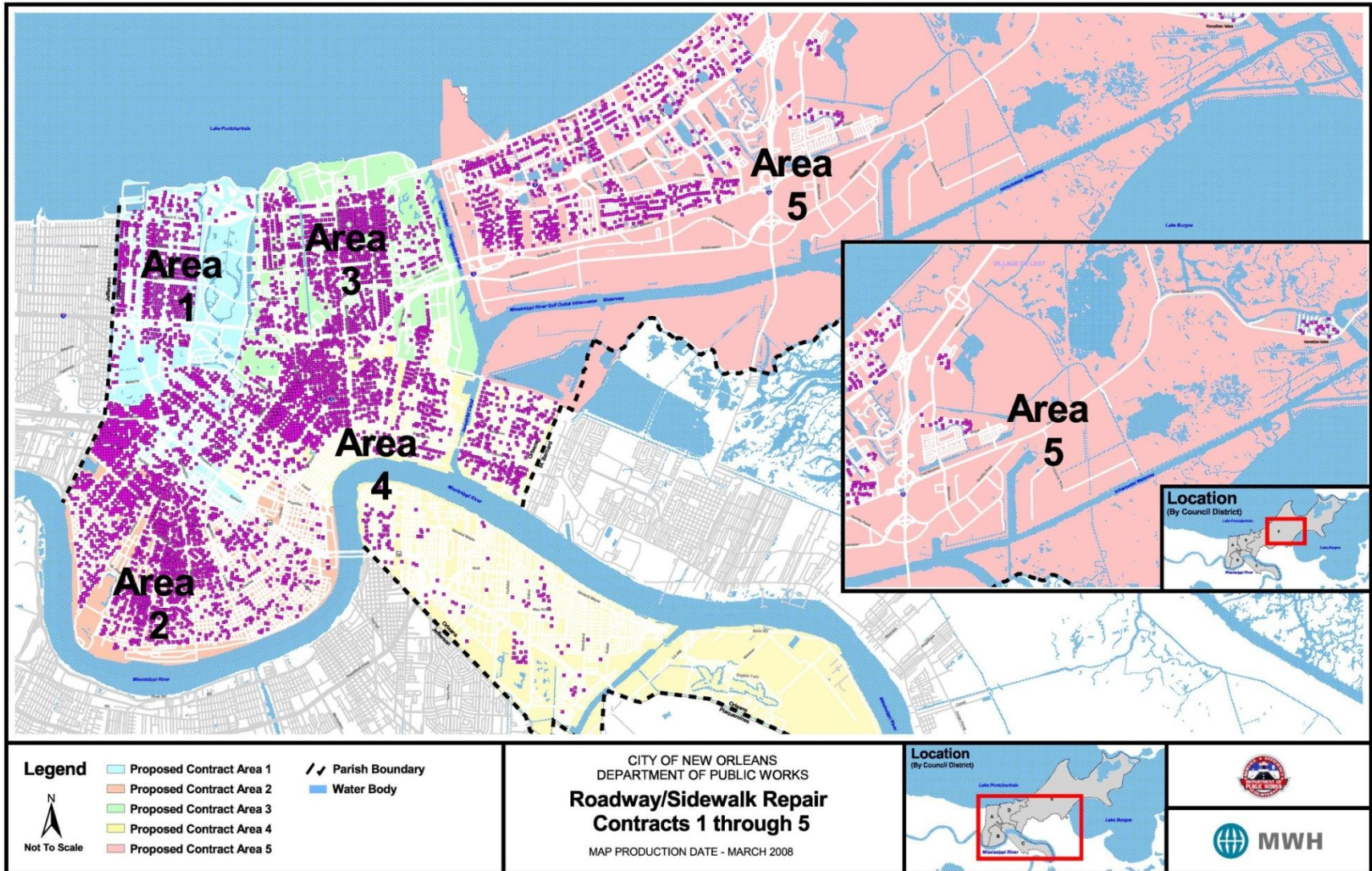
- This is a collaborative and iterative process involving the City, State, and FEMA.
- Individual neighborhoods were assessed for damages.
- FEMA drafts a Project Worksheet which includes the scope of the Recovery Road work.
- The approved Project Worksheet outlines the eligible damages to be repaired and includes funding.
- FEMA will have embedded staff in the field to authorize additional work, if needed.

Recovery Roads Program Phase I

- Preliminary damage assessments completed City-wide in summer 2007
- 17,000 sites were identified for repair
- Initial repair cost of \$55.2M
- Five (5) contracts were awarded and construction began in summer 2008 and was completed in March 2011.
- Majority of construction involved small patching repairs



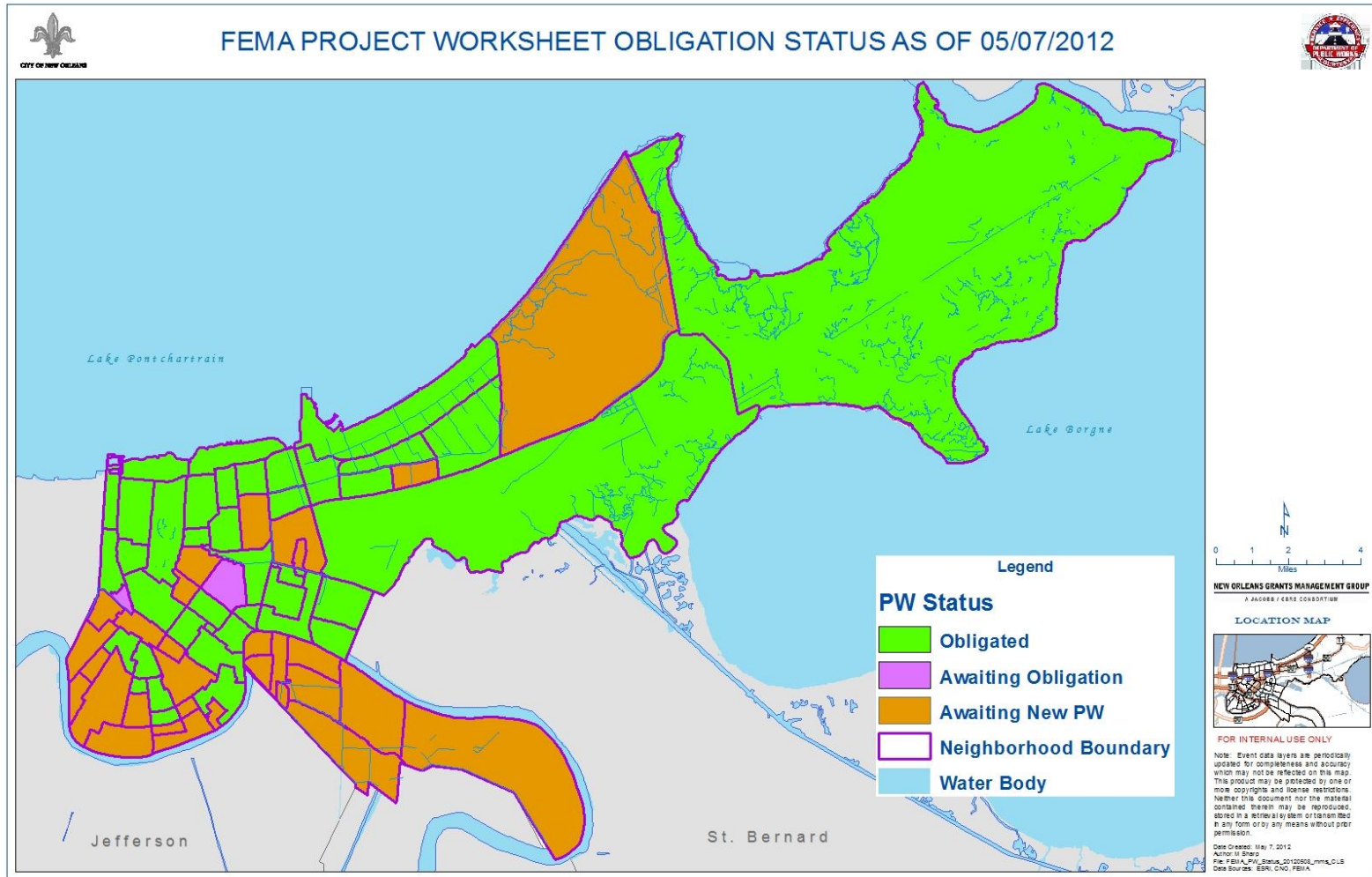
Phase I City-Wide Road Improvements



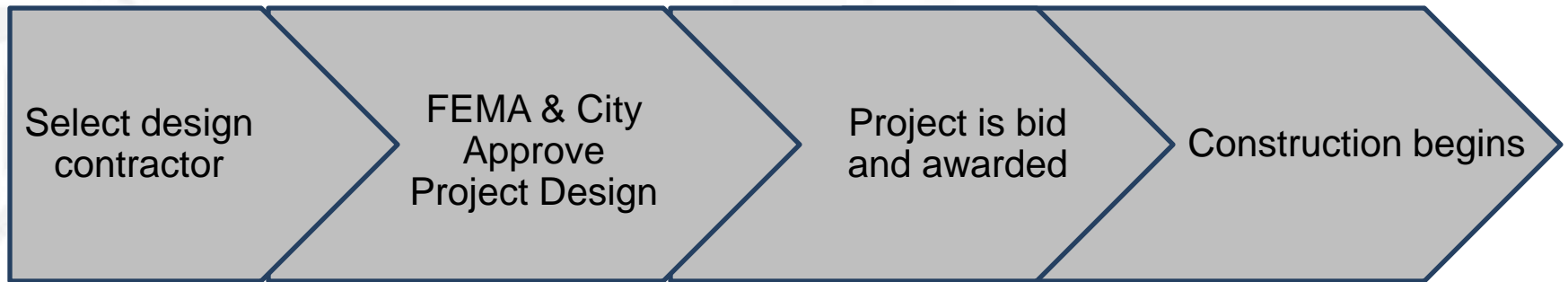
Recovery Roads Program Phase II

- Additional damages were identified by the Department of Public Works and through citizen input.
- Joint FEMA/City teams initiated city-wide road storm damage assessments in Fall 2010.
- All 72 neighborhood assessments have been completed as of Spring 2012.
- Approximately 35,000 additional sites have been identified for repair to date.
- As of May 2012, 35 Project Worksheets have been approved and \$178M has been obligated.
- Phase II construction began in the summer of 2012 and will likely continue through 2016.

Recovery Roads Program Phase II (cont.)



Project Design & Construction Process (Phase II)



- Water and sewer line repairs will be performed before permanent paving repairs are completed whenever possible.
- Phase II work is also coordinated between the City, SWB, State, and FEMA.

Types of Construction (Phase II)

1. Full Reconstruction
2. Resurfacing
3. Point Repairs
4. Sidewalks

Typical Neighborhood Construction Project Work (Phase II)

1. Full Reconstruction (red)

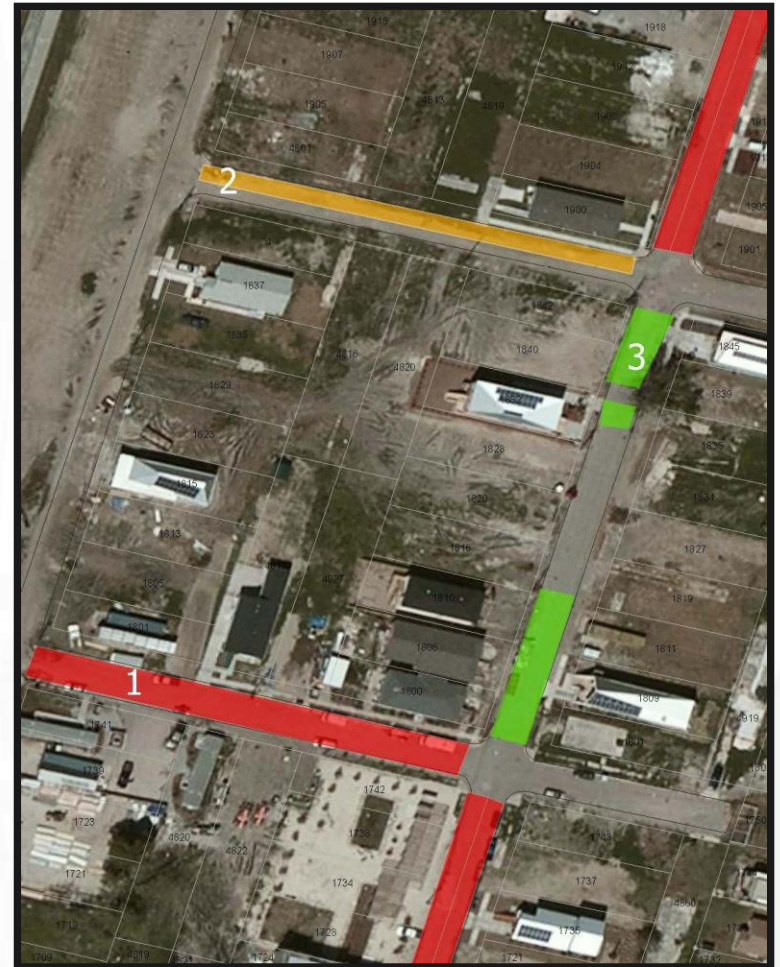
- **Eligible Scope:** Full replacement of pavement for the entire length and width of block.
- **End Result:** A new street (either asphalt or concrete) is constructed, to include pavement and base.



BEFORE



AFTER



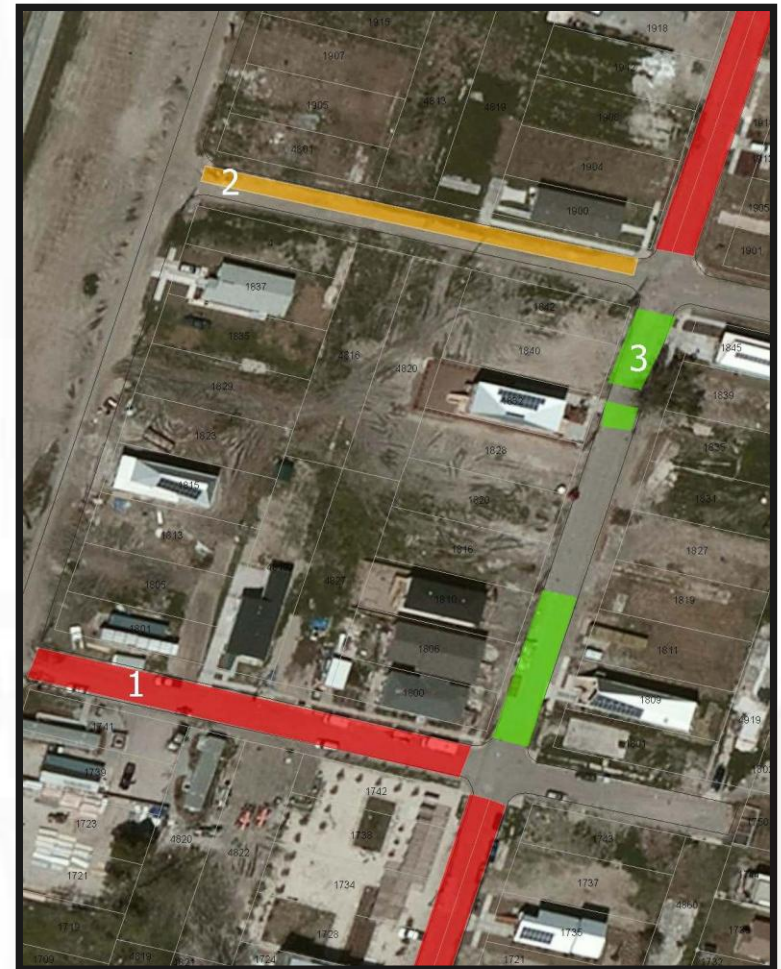
* GIS visual example from Lower Ninth Ward neighborhood displays all (3) types of paving work in the range of a single block.

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Typical Neighborhood Construction Project Work (Phase II)(cont)

2. Resurfacing (amber)

- **Eligible Scope:** The uppermost layer of street pavement (asphalt or concrete) is determined as eligible for repair. Size of the repair area varies. Eligibility maybe as a result of eligible sub-surface SWB utility repairs.
- **End Result:** A new top layer of pavement (either asphalt or concrete) is placed on only specific areas of the street.



* GIS visual example from Lower Ninth Ward neighborhood displays all (3) types of paving work in the range of a single block.

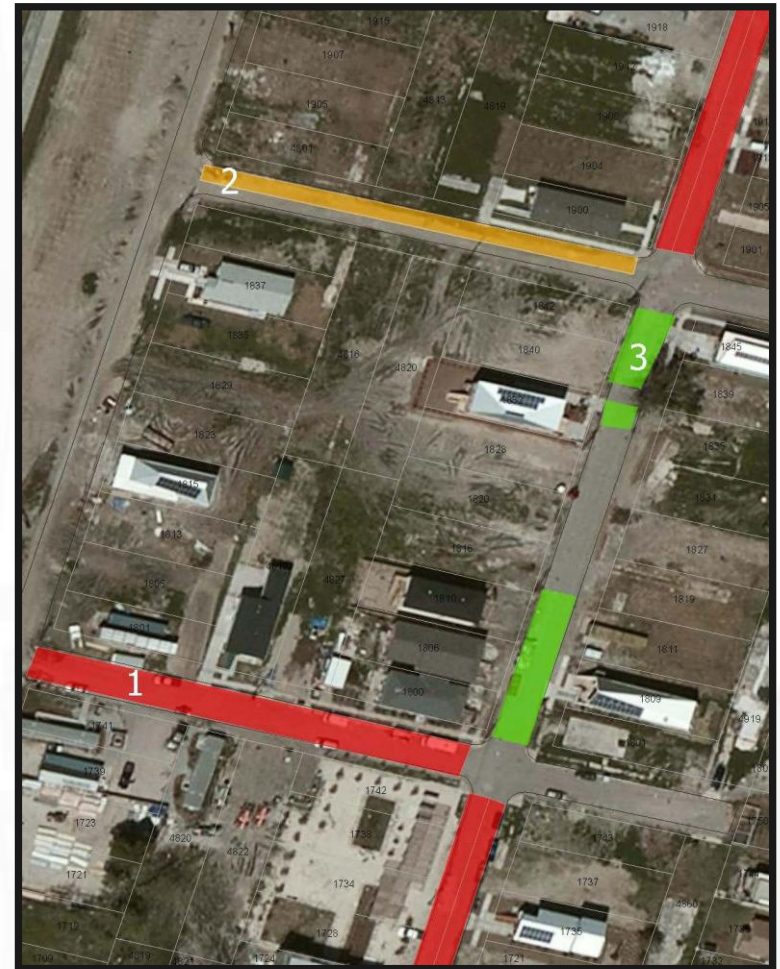
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Typical Neighborhood Construction Project Work (Phase II) (cont)

3. Point Repairs (green)

Eligible Scope: Only small areas on each block determined by FEMA as eligible for repair. Size of determined repair areas varies.

- **End Result:** Damaged pavement (either asphalt or concrete) on only specific areas of the street is replaced with new pavement.



* GIS visual example from Lower Ninth Ward neighborhood displays all (3) types of paving work in the range of a single block.

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Eligible Repair Sites

LOWER 9TH WARD PW DAMAGES: 1900 LAMANCHE ST



Additional Damage Repairs

LOWER 9TH WARD DAMAGES: 1900 LAMANCHE ST



Current Status

Demonstration Section (Lower Ninth Ward): Construction June 20 – July 27, 2012



On June 18, prior to construction, the asphalt on N. Miro St. was uneven and the sidewalks absent.



On July 12, a safety barrier prevents local traffic from using freshly-paved N. Miro St.

Lessons learned:

- Minimal damages to sub-surface utilities
- No increased FEMA-eligible repairs identified
- Completed repairs on-schedule and on-budget

Ongoing Data Collection Efforts

Data Collection Teams are currently marking damage sites throughout the City:

- Neighborhood leaders will be notified in advance of Data Collection Teams marking each neighborhood
- Please share information about markings with your organization



Damaged sidewalks, curbs and roads are currently being marked with pink paint by City of New Orleans contractors.



Each painted point corresponds to a data point (polygon) on a map identifying damage sites.

Upcoming Work

(Next 30 – 60 Days)

- Advertising, bid and award - St. Claude construction contract
- Advertising, bid and award - Lower Ninth Ward (Deslonde St. and Flood St.) construction contract
- Complete design and begin construction of concrete streets in Lower Ninth Ward and St. Claude neighborhoods
- Award 40 additional engineering design contracts
- Pre-construction neighborhood meetings for Lower Ninth Ward and St. Claude Neighborhoods

Coordination

Department of Public Works



Sewerage and Water Board of New Orleans



- Emergency Sewer System Assessment (ESSA)
- Waterline Replacement
- System Evaluation and Rehabilitation Program (SSERP)

Recovery Roads Program Milestones (Phase II)

May 2012	All Damage Assessments Complete
Summer-Fall 2012	Data Collection Teams in neighborhoods
June 2012	Initial Construction Begins (Paving Only Demo Projects)
July 2012	Paving Only Demo Section Complete
August 2012	Website (recoveryroads.nola.gov) Operational
Fall 2012	All Project Worksheets obligated/funded
	Full Construction Begins
Summer 2016	Construction Complete



Discussion